



NTHRYS WORKSHOPS

Workshop On Advanced Techniques In Aerosol Microbiology

8:45 AM - 10:15 AM: Session 1: Aerosolization and Dispersion Modeling

Overview of aerosol physics and behavior in different environments.
Hands-on simulation of aerosolization processes.
Introduction to modeling software for predicting aerosol dispersion.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Microbial Survival and Transport in Aerosols

Experimental determination of microbial survival rates in aerosols.
Study of factors influencing microbial transport in air.
Discussion on the relevance of microbial transport studies in environmental and health contexts.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Advanced Molecular Techniques in Aerosol Analysis

Application of metagenomic and metatranscriptomic approaches to aerosol samples.
Hands-on training on high-throughput sequencing technologies.
Bioinformatic analysis of aerosol microbiome data.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Emerging Trends in Aerosol Microbiology

Discussion on the latest advancements in aerosol microbiology research.
Hands-on experience with cutting-edge aerosol sampling and analysis techniques.
Discussion on the future directions of aerosol microbiology research.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.
Dialogue on overcoming challenges in adopting new technologies in similar sectors.
Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes